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PATENT APPLICATION

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Victor T. Chen, et al.

Date: November 14, 2000

Filed: November 14, 2000

Docket No.: 044407:0684

JC515 U.S. PTO  
09/712600  
11/14/00

For: **METHOD AND APPARATUS FOR USING ATRIAL DISCRIMINATION  
ALGORITHMS TO DETERMINE OPTIMAL PACING THERAPY AND  
THERAPY TIMING**

**INFORMATION DISCLOSURE STATEMENT**

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

With respect to the examination of the accompanying patent application,

Applicants cite the following documents. These documents are also listed on an accompanying  
Form PTO-1449.

**U. S. Patent Documents**

<u>Patent No.</u>	<u>Inventors</u>	<u>Issue Date</u>
5,184,615	Nappholz, et al.	February 9, 1993
5,342,402	Olson, et al.	August 30, 1994
5,549,641	Ayers, et al.	August 27, 1996

**OTHER DOCUMENTS**

F.H.M. Wittkamp & M.J.L. De Jongste, Rate Stabilization by Right Ventricular Pacing in Patients with Atrial Fibrillation, PACE, Vol. 9, pp. 1147-1153, Nov.-Dec. 1986, pt. II.

Cardiac Pacing, Kenneth A. Ellenbogen, ed., pp. 311-312, 435-437, (2<sup>nd</sup> ed. 1996).

U.S. Patent Application S.N. 09/316,515, entitled Method and Apparatus for Treating Irregular Ventricular Contractions Such as During Atrial Arrhythmia, filed May 21, 1999, by David B. Krig, et al.

U.S. Patent Application S.N. 09/343,924, entitled Therapy-Selection Methods for Implantable Heart Monitors, filed June 30, 1999, by Milton M. Morris.

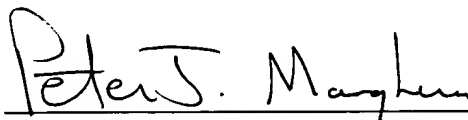
### **REMARKS**

Copies of the foregoing U.S. Patent documents, the paper by Wittkamp and De Jongste, and the excerpts from the book Cardiac Pacing, edited by Ellenbogen, are enclosed. The United States Patent Applications cited above are available in the records of the U.S. Patent and Trademark Office, copies thereof are not, therefore, enclosed.

The foregoing U.S. Patents describe systems and methods for distinguishing between different types of cardiac arrhythmias and providing appropriate therapies in response thereto. The paper by Wittkamp and De Jongste, and U.S. Patent Application S.N. 09/316,515 by David B. Krig, et al., discuss ventricular rate regulation. The excerpts from the book Cardiac Pacing, edited by Ellenbogen, discuss Rate Smoothing and antitachycardia pacing. U.S. Patent Application S.N. 09/343,924, by Milton M. Morris, describes a cardiac rhythm characterization method and apparatus. Several of these references are specifically discussed or mentioned in the specification of the above-referenced patent application.

It is thus requested that the foregoing documents being considered during examination of the accompanying Patent Application, and specifically be made of record therein.

Respectfully Submitted,

A handwritten signature in dark ink, reading "Peter J. Manghera". The signature is written in a cursive style with a horizontal line underneath it.

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